



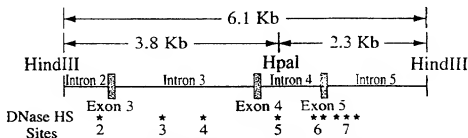
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(71) Applicant (for all designated States except US): UNIVERSITY OF FLORIDA [US/US]; 223 Grinter Hall, Gainesville, FL 32611 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): NICK, Harry, S. [US/US]; 6324 N.W. 97th Court, Gainesville, FL 32653 (US); ROGERS, Richard [US/US]; 4027 NW 13th Avenue, Gainesville, FL 32605 (US); VALENTINE, John, F. [US/US]; 2242 NW 2nd Avenue, Gainesville, FL 32603 (US).		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(74) Agents: REMILLARD, Jane, E. et al.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).			

(54) Title: MANGANESE SUPEROXIDE DISMUTASE REGULATORY ELEMENTS AND USES THEREOF

(57) Abstract

A novel transcriptional regulatory element which was isolated from the MnSOD gene and which exhibits promoter-enhancer activity is disclosed. The promoter-enhancer activity of the element is further modulated by inflammatory mediators to regulate transcription. Methods of using the promoter-enhancer element to regulate gene expression, and therapeutic uses involving the promoter-enhancer element are also described.



MnSOD Genomic Hind III Fragment

2.5 Kb MnSOD Promoter
Fragment (Hind-E)